

**Flood Control Project Maintenance
Levee Inspections**

Fall 2018 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR Erosion Survey

San Joaquin River Basin

RD2064	Overall LMA Rating	Total LMA Miles						
Reclamation District No. 2064 River Junction	A	11.65						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.06		0.06	0.52%				
Encroachments					0.04	0.09		
Animal Control	0.16		0.16	1.37%				
Slope Stability	0.05		0.05	0.43%				
<i>Supplemental</i>								
DWR UCIP Field Study					0.23	0.01		
DWR UCIP LMA Responsibility								
<i>LMA Totals:</i>	0.27	0.00	0.27	2.32%	0.27	0.10	0.00	0.00
Unit No. 01 San Joaquin River RB	Overall Unit Rating	Total Unit Miles						
RD2064	A	5.56						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Encroachments					0.01			
Animal Control	0.16		0.16	2.88%				
Slope Stability	0.01		0.01	0.18%				
<i>Supplemental</i>								
DWR UCIP Field Study					0.12	0.01		
DWR UCIP LMA Responsibility								
<i>Unit Totals:</i>	0.17	0.00	0.17	3.06%	0.13	0.01	0.00	0.00
Unit No. 02 Stanislaus River RB	Overall Unit Rating	Total Unit Miles						
RD2064	A	6.08						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.06		0.06	0.99%				
Encroachments					0.03	0.09		
Slope Stability	0.04		0.04	0.66%				
<i>Supplemental</i>								
DWR UCIP Field Study					0.11			
<i>Unit Totals:</i>	0.10	0.00	0.10	1.64%	0.14	0.09	0.00	0.00

**Flood Control Project Maintenance
Levee Inspections****LMA District Cover Sheet****Fall 2018 Levee Inspection Results****Reclamation District No. 2064 River Junction**

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
† Overall LMA Rating (Fall Only)			A	

** Non-receipt of Summer or Winter Inspection
Reports may effect overall annual rating.

† **SPRING INSPECTIONS:** Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2018 Levee Inspection Results

Reclamation District No. 2064 River Junction

Waterway			Bank	Unit Miles
Unit No. 01 San Joaquin River			Right	5.56
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	4/11/2018 - 4/11/2018		10/5/2018 - 10/5/2018	
DWR Inspector	Keith Millard		Luz Dial	
Accompanied By	Mark Veltkamp RD 2064		Keith Veltkamp RD 2064	
	Dan Eavenson		Dan Eavenson	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	10/05/2018 10/05/2018	Luz Dial

LM Start		Rating **	A	Issue No.	6
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_RD2064_01_f_2014_6				
Comment Code					
Inspector Comment					
District 2064 has the O&M Manual on hand.					

No Photos

LM Start		Rating **	A	Issue No.	7
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_RD2064_01_f_2014_7				
Comment Code					
Inspector Comment					
District has an adequate supply of flood fight materials in storage.					

No Photos

LM Start		Rating **	A	Issue No.	8
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_RD2064_01_f_2014_8				
Comment Code					
Inspector Comment					
District 2064 has been trained for flood fighting.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	10/05/2018 10/05/2018	Luz Dial

LM Start	0.06	Rating **	A/W	Issue No.	35
LM End	0.06	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.709804 °	37.709804 °
				-121.267559 °	-121.267559 °
DWR ID	20511				
Comment Code					
Inspector Comment					
FS_ID:43603 DS_ID:20511 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: Debris removed from flap gate on waterside tow FIELD_STRUCT_DESC: 36-inch by 36-inch reinforced concrete box drainage culvert through the levee, 21 feet below the crown. Concrete U- shaped headwalls on both ends. Slide gate in a 6-foot by 7-foot concrete riser on the waterside (WS) slope. Flap gate on the WS end. Flashboard slots on the landside (LS) headwall. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 0.07)]. FS Date: 3/2/2015					

LM Start	0.06	Rating **	A/W	Issue No.	35 (cont)
LM End	0.06	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2018_43603_31258.jpg



Slide gate in concrete riser on WS shoulder.

Photo 2 of 3 : UCIP_FA_2018_43603_31257.jpg



Flap gate and U shaped headwall on WS toe. Debris blocking closure of gate.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	10/05/2018 10/05/2018	Luz Dial

LM Start	0.06	Rating **	A/W	Issue No.	35 (cont)	
LM End	0.06	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.709804 °		37.709804 °
				-121.267559 °		-121.267559 °
DWR ID	20511					
Comment Code						
Inspector Comment						
FS_ID:43603						
DS_ID:20511						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments: Debri removed from flap gate on waterside tow						
FIELD_STRUCT_DESC: 36-inch by 36-inch reinforced concrete box						
drainage culvert through the levee, 21 feet below the crown. Concrete U-						
shaped headwalls on both ends. Slide gate in a 6-foot by 7-foot						
concrete riser on the waterside (WS) slope. Flap gate on the WS end.						
Flashboard slots on the landside (LS) headwall. [Additional						
Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M						
Manual 3, December 1968, (HLM 0.07)].						
FS Date: 3/2/2015						

Photo 3 of 3 : UCIP_FA_2018_43603_31256.jpg



Concrete headwall at inlet on LS toe.

LM Start	0.06	Rating **	M	Issue No.	36
LM End	0.06	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.709725 °	37.709725 °
				-121.267534 °	-121.267534 °
DWR ID	20512				
Comment Code					
Inspector Comment					
FS_ID:18718 DS_ID:20512 EP_NO: 13907 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: This pipe has less than 1-foot of cover. FIELD_STRUCT_DESC: 1 of 3: 24-inch coated steel drainage discharge pipe through the levee, 2 feet below the crown. Two 100- horsepower and one 75-horsepower pumps on the landside (LS) toe. Siphon breaker on the waterside (WS) shoulder. (Permit No. 13907, 1985 - Reclamation District No. 2064). [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 8/27/2013					

Photo 1 of 3 : UCIP_FA_2018_18718_31286.jpg



Steel storm drain pipe with pump on pier in background.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	10/05/2018 10/05/2018	Luz Dial

LM Start	0.06	Rating **	M	Issue No.	36 (cont)	
LM End	0.06	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.709725 °		37.709725 °
				-121.267534 °		-121.267534 °
DWR ID	20512					
Comment Code						
Inspector Comment						
FS_ID:18718 DS_ID:20512 EP_NO: 13907 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: This pipe has less than 1-foot of cover. FIELD_STRUCT_DESC: 1 of 3: 24-inch coated steel drainage discharge pipe through the levee, 2 feet below the crown. Two 100- horsepower and one 75-horsepower pumps on the landside (LS) toe. Siphon breaker on the waterside (WS) shoulder. (Permit No. 13907, 1985 - Reclamation District No. 2064). [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 8/27/2013						

Photo 2 of 3 : UCIP_FA_2018_18718_31285.jpg



Pipe and siphon breaker visible on WS shoulder.

LM Start	0.06	Rating **	M	Issue No.	36 (cont)
LM End	0.06	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2018_18718_31284.jpg



Pump on wooden pier on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	10/05/2018 10/05/2018	Luz Dial

LM Start	0.06	Rating **	M	Issue No.	37
LM End	0.06	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.709698 °	37.709698 °
				-121.267536 °	-121.267536 °
DWR ID	20527				
Comment Code					
Inspector Comment					
FS_ID:22729 DS_ID:20527 EP_NO: 13907 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: This pipe has less than 1-foot of cover. FIELD_STRUCT_DESC: 2 of 3: 24-inch coated steel drainage discharge pipe through the levee, 2 feet below the crown. Two 100- horsepower and one 75-horsepower pumps on pier at the landside (LS) toe. Siphon breaker on the waterside (WS) shoulder. (Permit No. 13907, 1985 - Reclamation District No. 2064). [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 8/27/2013					

LM Start	0.06	Rating **	M	Issue No.	37 (cont)
LM End	0.06	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2018_22729_38458.jpg



Pipe visible on LS.

Photo 2 of 3 : UCIP_FA_2018_22729_38457.jpg



Pipe and siphon breaker on WS shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	10/05/2018 10/05/2018	Luz Dial

LM Start	0.06	Rating **	M	Issue No.	37 (cont)
LM End	0.06	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.709698 °	37.709698 °
				-121.267536 °	-121.267536 °
DWR ID	20527				
Comment Code					
Inspector Comment					
FS_ID:22729 DS_ID:20527 EP_NO: 13907 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: This pipe has less than 1-foot of cover. FIELD_STRUCT_DESC: 2 of 3: 24-inch coated steel drainage discharge pipe through the levee, 2 feet below the crown. Two 100- horsepower and one 75-horsepower pumps on pier at the landside (LS) toe. Siphon breaker on the waterside (WS) shoulder. (Permit No. 13907, 1985 - Reclamation District No. 2064). [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 8/27/2013					

Photo 3 of 3 : UCIP_FA_2018_22729_38456.jpg



Pump on wooden pier at LS toe.

LM Start	0.06	Rating **	M	Issue No.	38
LM End	0.06	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.709672 °	37.709672 °
				-121.267532 °	-121.267532 °
DWR ID	20528				
Comment Code					
Inspector Comment					
FS_ID:18720 DS_ID:20528 EP_NO: 13907 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: This pipe has less than 1-foot of cover. FIELD_STRUCT_DESC: 3 of 3: 24-inch coated steel drainage discharge pipe through the levee, 1 foot below the crown. Two 100-horsepower and one 75-horsepower pumps on the landside (LS) toe. Siphon breaker on the waterside (WS) shoulder. (Permit No. 13907, 1985 - Reclamation District No. 2064). [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 8/27/2013					

Photo 1 of 3 : UCIP_FA_2018_18720_31294.jpg



Steel pipe visible on LS.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	10/05/2018 10/05/2018	Luz Dial

LM Start	0.06	Rating **	M	Issue No.	38 (cont)	
LM End	0.06	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.709672 °		37.709672 °
				-121.267532 °		-121.267532 °
DWR ID	20528					
Comment Code						
Inspector Comment						
FS_ID:18720 DS_ID:20528 EP_NO: 13907 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: This pipe has less than 1-foot of cover. FIELD_STRUCT_DESC: 3 of 3: 24-inch coated steel drainage discharge pipe through the levee, 1 foot below the crown. Two 100- horsepower and one 75-horsepower pumps on the landside (LS) toe. Siphon breaker on the waterside (WS) shoulder. (Permit No. 13907, 1985 - Reclamation District No. 2064). [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 8/27/2013						

Photo 2 of 3 : UCIP_FA_2018_18720_31293.jpg



Siphon breaker visible on WS shoulder.

LM Start	0.06	Rating **	M	Issue No.	38 (cont)
LM End	0.06	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2018_18720_31292.jpg



Pump on pier on LS.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	10/05/2018 10/05/2018	Luz Dial

LM Start	0.26	Rating **	A/W	Issue No.	23
LM End	0.26	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.707221°	37.707221°
				-121.268830°	-121.268830°
DWR ID	DWR_RD2064_01_f_2018_23				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Monitor rodent activity, as recent rains may have masked the issue.					

No Photos

LM Start	0.46	Rating **	A/W	Issue No.	25
LM End	0.46	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.705240 °	37.705240 °
				-121.271294 °	-121.271294 °
DWR ID	DWR_RD2064_01_f_2018_25				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Monitor rodent activity, as recent rains may have masked the issue.					

No Photos

LM Start	0.83	Rating **	M	Issue No.	27
LM End	0.83	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.700306 °	37.700306 °
				-121.272989 °	-121.272989 °
DWR ID	DWR_RD2064_01_f_2018_27				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Repair slope damage.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	10/05/2018 10/05/2018	Luz Dial

LM Start	1.23	Rating **	M	Issue No.	39	
LM End	1.23	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.695529 °	37.695529 °	
				-121.270005 °	-121.270005 °	
DWR ID	20533					
Comment Code						
Inspector Comment						
FS_ID:40792						
DS_ID:20533						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Pump and slant pipe missing from structure on WS slope.						
FIELD_STRUCT_DESC: 12-inch concrete encased steel irrigation pipe through the levee, 13 feet below the crown. Slant pump on the waterside (WS) toe. Slide gate in a 36-inch corrugated metal pipe (CMP) riser on the WS shoulder. 6-foot by 6-foot concrete distribution box and filter plant on the landside (LS) toe. 2-inch galvanized iron electrical conduit at the same location. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 1.24)].						
FS Date: 8/27/2013						

LM Start	1.23	Rating **	M	Issue No.	39 (cont)
LM End	1.23	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2018_40792_31377.jpg



Slide gate in CMP riser on WS shoulder.

Photo 2 of 3 : UCIP_FA_2018_40792_31376.jpg



Concrete distribution box and filter plant on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	10/05/2018 10/05/2018	Luz Dial

LM Start	1.23	Rating **	M	Issue No.	39 (cont)	
LM End	1.23	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.695529 °	37.695529 °	
				-121.270005 °	-121.270005 °	
DWR ID	20533					
Comment Code						
Inspector Comment						
FS_ID:40792 DS_ID:20533 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pump and slant pipe missing from structure on WS slope. FIELD_STRUCT_DESC: 12-inch concrete encased steel irrigation pipe through the levee, 13 feet below the crown. Slant pump on the waterside (WS) toe. Slide gate in a 36-inch corrugated metal pipe (CMP) riser on the WS shoulder. 6-foot by 6-foot concrete distribution box and filter plant on the landside (LS) toe. 2-inch galvanized iron electrical conduit at the same location. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 1.24)]. FS Date: 8/27/2013						

Photo 3 of 3 : UCIP_FA_2018_40792_31375.jpg



Pump and slant pipe missing from structure on WS slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	10/05/2018 10/05/2018	Luz Dial

LM Start	1.23	Rating **	U	Issue No.	40
LM End	1.23	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.695506°	37.695506°	
			-121.269995°	-121.269995°	
DWR ID	20524				

Comment Code

Inspector Comment

FS_ID:53378
DS_ID:20524
EP_NO: 3739
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 10/10/2018 There is a lot going on at this location; levee erosion and the same sink hole and pipe integrity issue on LS that looks like it has only gotten worse, installation of new steel pipe on WS, and the WS slope looks to have eroded some since the last inspection. Keeping as Urgent, and highly recommend full audit of this crossing, including permitted work and internal pipe inspection (D. Sanoski - DWR UCIP). 11/16/2016 same as last inspection leak has created sink hole near concrete distribution box located on the LS. Hole in pipe is visible at sink hole. Need to contact owner to address leak on LS. Recommend an internal inspection be completed for the pipe through the levee to determine pipe integrity. (O. Magana - DWR UCIP) 08/27/2013 Some leakage at connection between pipe and distro box on LS toe. This may indicate internal failure of pipe. (W. Wylie - DWR UCIP)
FIELD_STRUCT_DESC: 16-inch coated steel irrigation pipe through the levee, 10.75 feet below the crown. 2-inch galvanized iron electrical conduit at the same location. Slant pump on the waterside (WS) toe. Slide gate in a 36-inch corrugated metal pipe (CMP) riser on the WS shoulder. 6-foot by 6-foot concrete distribution box and filter plant on the landside (LS) toe. (16-inch pipe authorized under Permit No. 3739, 1961 - Mortensen and Barker).
FS Date: 10/10/2018 1:10:00 PM

LM Start	1.23	Rating **	U	Issue No.	40 (cont)
LM End	1.23	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2018_53378_38462.jpg



Slant pump on WS toe. Slide gate in 36-inch CMP riser on WS shoulder.

Photo 2 of 3 : UCIP_FA_2018_53378_38461.jpg



Concrete distribution box on LS toe with filter plant.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	10/05/2018 10/05/2018	Luz Dial

LM Start	1.23	Rating **	U	Issue No.	40 (cont)	
LM End	1.23	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.695506 °	37.695506 °	
				-121.269995 °	-121.269995 °	
DWR ID	20524					
Comment Code						
Inspector Comment						
FS_ID:53378 DS_ID:20524 EP_NO: 3739 Repair Type: Urgent Crossing Status: Found UCIP Comments: 10/10/2018 There is a lot going on at this location; levee erosion and the same sink hole and pipe integrity issue on LS that looks like it has only gotten worse, installation of new steel pipe on WS, and the WS slope looks to have eroded some since the last inspection. Keeping as Urgent, and highly recommend full audit of this crossing, including permitted work and internal pipe inspection (D. Sanoski - DWR UCIP).11/16/2016 same as last inspection leak has created sink hole near concrete distribution box located on the LS. Hole in pipe is visible at sink hole. Need to contact owner to address leak on LS. Recommend an internal inspection be completed for the pipe through the levee to determine pipe integrity. (O. Magana - DWR UCIP)08/27/2013 Some leakage at connection between pipe and distro box on LS toe. This may indicate internal failure of pipe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 16-inch coated steel irrigation pipe through the levee, 10.75 feet below the crown. 2-inch galvanized iron electrical conduit at the same location. Slant pump on the waterside (WS) toe. Slide gate in a 36-inch corrugated metal pipe (CMP) riser on the WS shoulder. 6-foot by 6-foot concrete distribution box and filter plant on the landside (LS) toe. (16-inch pipe authorized under Permit No. 3739, 1961 - Mortensen and Barker). FS Date: 10/10/2018 1:10:00 PM						

Photo 3 of 3 : UCIP_FA_2018_53378_38460.jpg



Leakage along pipe alignment on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	10/05/2018 10/05/2018	Luz Dial

LM Start	1.65	Rating **	A/W	Issue No.	41
LM End	1.65	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.690072 °	37.690072 °
				-121.269823 °	-121.269823 °
DWR ID	20514				
Comment Code					
Inspector Comment					
FS_ID:18748 DS_ID:20514 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 30-inch by 30-inch reinforced concrete box drainage culvert through the levee, 15 feet below the crown. Slide gate in a concrete riser on the waterside (WS) shoulder. Concrete U-shaped headwalls on both ends. Flap gate on the WS end. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 1.65)]. FS Date: 8/27/2013					

LM Start	1.65	Rating **	A/W	Issue No.	41 (cont)
LM End	1.65	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2018_18748_31380.jpg



Concrete headwall on LS toe.

Photo 2 of 3 : UCIP_FA_2018_18748_31379.jpg



Slide gate in concrete vault on WS shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	10/05/2018 10/05/2018	Luz Dial

LM Start	1.65	Rating **	A/W	Issue No.	41 (cont)
LM End	1.65	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.690072 °	37.690072 °
				-121.269823 °	-121.269823 °
DWR ID	20514				
Comment Code					
Inspector Comment					
FS_ID:18748 DS_ID:20514 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 30-inch by 30-inch reinforced concrete box drainage culvert through the levee, 15 feet below the crown. Slide gate in a concrete riser on the waterside (WS) shoulder. Concrete U-shaped headwalls on both ends. Flap gate on the WS end. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 1.65)]. FS Date: 8/27/2013					

Photo 3 of 3 : UCIP_FA_2018_18748_31378.jpg



Flap gate on WS toe.

LM Start	1.94	Rating **	M	Issue No.	42
LM End	1.94	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.689900 °	37.689900 °
				-121.264802 °	-121.264802 °
DWR ID	20515				
Comment Code					
Inspector Comment					
FS_ID:18763 DS_ID:20515 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Culvert filled nearly to the top with soil. FIELD_STRUCT_DESC: 30-inch by 30-inch reinforced concrete box drainage culvert through the levee, 14.7 feet below the crown. Slide gate in a concrete riser on the waterside (WS) slope. Concrete U-shaped headwalls on both ends. Flap gate on the WS end. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 1.93)]. FS Date: 8/27/2013					

Photo 1 of 3 : UCIP_FA_2018_18763_31402.jpg



Slide gate in Concrete riser on WS shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	10/05/2018 10/05/2018	Luz Dial

LM Start	1.94	Rating **	M	Issue No.	42 (cont)
LM End	1.94	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.689900 °	37.689900 °
				-121.264802 °	-121.264802 °
DWR ID	20515				
Comment Code					
Inspector Comment					
FS_ID:18763 DS_ID:20515 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Culvert filled nearly to the top with soil. FIELD_STRUCT_DESC: 30-inch by 30-inch reinforced concrete box drainage culvert through the levee, 14.7 feet below the crown. Slide gate in a concrete riser on the waterside (WS) slope. Concrete U-shaped headwalls on both ends. Flap gate on the WS end. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 1.93)]. FS Date: 8/27/2013					

LM Start	1.94	Rating **	M	Issue No.	42 (cont)
LM End	1.94	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2018_18763_31401.jpg



Concrete U-shaped headwall on LS toe.

Photo 3 of 3 : UCIP_FA_2018_18763_31400.jpg



Concrete U-shaped headwall on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	10/05/2018 10/05/2018	Luz Dial

LM Start	2.10	Rating **	A/W	Issue No.	29
LM End	2.10	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.689089°	37.689089°	
			-121.262097°	-121.262097°	
DWR ID	DWR_RD2064_01_f_2018_29				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Monitor rodent activity, as recent rains may have masked the issue.					

No Photos

LM Start	2.14	Rating **	M	Issue No.	31
LM End	2.14	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.688714°	37.688714°	
			-121.261480°	-121.261480°	
DWR ID	DWR_RD2064_01_f_2018_31				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Old rodent holes need to be backfilled.					

Photo 1 of 1 : FA_2018_RD2064_313_31_20181008_00052.jpg



View of animal holes on levee slope. Fall 2018

LM Start	2.30	Rating **	A/W	Issue No.	32
LM End	2.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.688117°	37.688117°	
			-121.258940°	-121.258940°	
DWR ID	DWR_RD2064_01_f_2018_32				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	10/05/2018 10/05/2018	Luz Dial

LM Start	3.26	Rating **	A/W	Issue No.	22
LM End	3.39	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			37.679100°	37.677800°
				-121.262600°	-121.264400°
DWR ID	DWR_RD2064_01_f_2017_22				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion from high water flows caused erosion scarps from 12" to 30" in height. The area of damage is approximately 400 feet in length.					
Site ID No:582					
Site Designation:LMA-488					
Repair Type: Erosion					
Rating:Serious					
Field Date:8/14/2017					
Notes:					

Photo 1 of 3 : FA_2018_RD2064_313_22_20180910_00002.jpg



LM Start	3.26	Rating **	A/W	Issue No.	22 (cont)
LM End	3.39	Issue Type +	Ma	Location *	

Photo 2 of 3 : FA_2018_RD2064_313_22_20180910_00003.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	10/05/2018 10/05/2018	Luz Dial

LM Start	3.26	Rating **	A/W	Issue No.	22 (cont)
LM End	3.39	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			37.679100°	37.677800°
				-121.262600°	-121.264400°
DWR ID	DWR_RD2064_01_f_2017_22				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion from high water flows caused erosion scarps from 12" to 30" in height. The area of damage is approximately 400 feet in length.					
Site ID No:582					
Site Designation:LMA-488					
Repair Type: Erosion					
Rating:Serious					
Field Date:8/14/2017					
Notes:					

Photo 3 of 3 : FA_2018_RD2064_313_22_20180910_00004.jpg



LM Start	3.31	Rating **	M	Issue No.	10
LM End	3.45	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.678708 °	37.676786 °
				-121.263415 °	-121.264207 °
DWR ID	DWR_RD2064_01_f_2017_10				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
In addition to active baiting program, LMA needs to backfill rodent holes.					

Photo 1 of 2 : FA_2018_RD2064_313_10_20181008_00053.jpg



View of animal holes on levee slope. Fall 2018

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	10/05/2018 10/05/2018	Luz Dial

LM Start	3.31	Rating **	M	Issue No.	10 (cont)	
LM End	3.45	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Animal Control			37.678708 °		37.676786 °
				-121.263415 °		-121.264207 °
DWR ID	DWR_RD2064_01_f_2017_10					
Comment Code						
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.						
Inspector Comment						
In addition to active baiting program, LMA needs to backfill rodent holes.						

Photo 2 of 2 : FA_2018_RD2064_313_10_20180910_00001.jpg



View of former landside rodent area and slash pile in distance. Rodent control program has largely mitigated the problem, but should continue. Fall 2017

LM Start	3.46	Rating **	M	Issue No.	43
LM End	3.46	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.676751 °	37.676751 °
				-121.264193 °	-121.264193 °
DWR ID	20517				
Comment Code					
Inspector Comment					
FS_ID:22731 DS_ID:20517 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Neet to verify status of pipeline. FIELD_STRUCT_DESC: Underground gas line crossing; depth through the levee and size unknown. Found possible sign posts on WS toe. FS Date: 8/27/2013					

Photo 1 of 1 : UCIP_FA_2018_22731_38463.jpg



Possible sign posts on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	10/05/2018 10/05/2018	Luz Dial

LM Start	3.49	Rating **	M	Issue No.	44
LM End	3.49	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.676276 °	37.676276 °
				-121.264104 °	-121.264104 °
DWR ID	24059				
Comment Code					
Inspector Comment					
FS_ID:22085 DS_ID:24059 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Unable to identify purpose or permit for this crossing. FIELD_STRUCT_DESC: 1 of 2: 4-inch galvanized iron conduit of an unknown purpose through the levee, at an unknown depth. Visible on downstream side of the bridge. 3.5-foot by 6-foot steel vault on crown. FS Date: 8/27/2013					

Photo 1 of 1 : UCIP_FA_2018_22085_37702.jpg



Upper conduit visible on DS side of bridge.

LM Start	3.49	Rating **	M	Issue No.	45
LM End	3.49	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.676276 °	37.676276 °
				-121.264104 °	-121.264104 °
DWR ID	24060				
Comment Code					
Inspector Comment					
FS_ID:22790					
DS_ID:24060					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Unable to identify purpose or permit for this crossing.					
FIELD_STRUCT_DESC: 2 of 2: 4-inch galvanized iron conduit through the levee at unknown depth below the crown. Visible on downstream side of the bridge. 3.5-foot by 6-foot steel vault on crown.					
FS Date: 8/27/2013					

Photo 1 of 1 : UCIP_FA_2018_22790_38826.jpg



Lower conduit visible on DS side of bridge at WS slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	10/05/2018 10/05/2018	Luz Dial

LM Start	3.57	Rating **	M	Issue No.	46
LM End	3.57	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.675267 °	37.675267 °
				-121.263426 °	-121.263426 °
DWR ID	20519				
Comment Code					
Inspector Comment					
FS_ID:19044 DS_ID:20519 EP_NO: 6450 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned and if so should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 18-inch steel discharge pipe through the levee, 2 feet below the crown. Crown roadway padded over the pipe. Pipe exposed on both slopes. Gate valve on the landside (LS) toe. Pump missing from sump with sheet pile siding in ditch on the LS. Siphon breaker on the waterside (WS). (Permit No. 6450, 1969 - Reclamation District No. 2064). [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 8/27/2013					

LM Start	3.57	Rating **	M	Issue No.	46 (cont)
LM End	3.57	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2018_19044_31844.jpg



Pipe and gate valve on LS toe.

Photo 2 of 3 : UCIP_FA_2018_19044_31843.jpg



Pipe visible at sump off LS toe. No pump or appurtenances.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	10/05/2018 10/05/2018	Luz Dial

LM Start	3.57	Rating **	M	Issue No.	46 (cont)	
LM End	3.57	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.675267 °		37.675267 °
				-121.263426 °		-121.263426 °
DWR ID	20519					
Comment Code						
Inspector Comment						
FS_ID:19044 DS_ID:20519 EP_NO: 6450 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned and if so should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 18-inch steel discharge pipe through the levee, 2 feet below the crown. Crown roadway padded over the pipe. Pipe exposed on both slopes. Gate valve on the landside (LS) toe. Pump missing from sump with sheet pile siding in ditch on the LS. Siphon breaker on the waterside (WS). (Permit No. 6450, 1969 - Reclamation District No. 2064). [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 8/27/2013						

Photo 3 of 3 : UCIP_FA_2018_19044_31842.jpg



Gate valve on LS toe.

LM Start	3.57	Rating **	M	Issue No.	47	
LM End	3.57	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.675266 °		37.675266 °
				-121.263421 °		-121.263421 °
DWR ID	20525					
Comment Code						
Inspector Comment						
FS_ID:22732						
DS_ID:20525						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Need to determine if pipe was actually removed from levee.						
FIELD_STRUCT_DESC: 12-inch steel drainage pipe through the levee, at an unknown depth. Steel plate welded over the landside (LS) end at the LS toe. (Permit No. 6450, 1969 - Reclamation District No. 2064, states it was removed in 1973, but it remains visible on the LS toe).						
[Additional Reference(s): USACE San Joaquin O&M Manual 3, December 1968, (HLM 3.55)].						
FS Date: 8/27/2013						

Photo 1 of 2 : UCIP_FA_2018_22732_38465.jpg



Pipe visible on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	10/05/2018 10/05/2018	Luz Dial

LM Start	3.57	Rating **	M	Issue No.	47 (cont)	
LM End	3.57	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.675266 °	37.675266 °	
				-121.263421 °	-121.263421 °	
DWR ID	20525					
Comment Code						
Inspector Comment						
FS_ID:22732 DS_ID:20525 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to determine if pipe was actually removed from levee. FIELD_STRUCT_DESC: 12-inch steel drainage pipe through the levee, at an unknown depth. Steel plate welded over the landside (LS) end at the LS toe. (Permit No. 6450, 1969 - Reclamation District No. 2064, states it was removed in 1973, but it remains visible on the LS toe). [Additional Reference(s): USACE San Joaquin O&M Manual 3, December 1968, (HLM 3.55)]. FS Date: 8/27/2013						

Photo 2 of 2 : UCIP_FA_2018_22732_38464.jpg



Pipe with welded steel plate over LS end at LS toe.

LM Start	3.57	Rating **	M	Issue No.	48
LM End	3.57	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.675247 °	37.675247 °
				-121.263398 °	-121.263398 °
DWR ID	20522				
Comment Code					
Inspector Comment					
FS_ID:22733 DS_ID:20522 EP_NO: 13609 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned and should be done so properly. Pipe was to be removed in 1984. FIELD_STRUCT_DESC: *ABANDONED* 1 of 2: 24-inch steel discharge pipe through the levee, 2 feet below the crown. Approximately 420 feet upstream of Durham Ferry-Airport Way Road. (Permit No. 13609, 1983 - Reclamation District No. 2064). FS Date: 8/27/2013					

Photo 1 of 3 : UCIP_FA_2018_22733_38468.jpg



Pipe and vent visible on LS slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	10/05/2018 10/05/2018	Luz Dial

LM Start	3.57	Rating **	M	Issue No.	48 (cont)	
LM End	3.57	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.675247 °	37.675247 °	
				-121.263398 °	-121.263398 °	
DWR ID	20522					
Comment Code						
Inspector Comment						
FS_ID:22733 DS_ID:20522 EP_NO: 13609 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned and should be done so properly. Pipe was to be removed in 1984. FIELD_STRUCT_DESC: *ABANDONED* 1 of 2: 24-inch steel discharge pipe through the levee, 2 feet below the crown. Approximately 420 feet upstream of Durham Ferry-Airport Way Road. (Permit No. 13609, 1983 - Reclamation District No. 2064). FS Date: 8/27/2013						

LM Start	3.57	Rating **	M	Issue No.	48 (cont)
LM End	3.57	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2018_22733_38467.jpg



Pipe visible on WS slope.

Photo 3 of 3 : UCIP_FA_2018_22733_38466.jpg



Pipe open at pump sump off LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	10/05/2018 10/05/2018	Luz Dial

LM Start	3.60	Rating **	M	Issue No.	49	
LM End	3.60	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.675005 °	37.675005 °	
				-121.263103 °	-121.263103 °	
DWR ID	20534					
Comment Code						
Inspector Comment						
FS_ID:19046						
DS_ID:20534						
EP_NO: 13609						
Repair Type: Non-Urgent						
Crossing Status: Indicator Found						
UCIP Comments: Pipes should be abandoned properly.						
FIELD_STRUCT_DESC: *REMOVED* 2 of 2: 24-inch steel drainage pipe through the levee, 12.67 feet below the crown. Approximately 75 feet upstream of first 24-inch pipe. According to notes in permit, concrete rubble was placed over the pipe on the waterside (WS) slope. (Permit No. 13609, 1983 - Reclamation District No. 2064).						
FS Date: 8/27/2013						

LM Start	3.60	Rating **	M	Issue No.	49 (cont)
LM End	3.60	Issue Type +	En	Location *	

Photo 1 of 2 : UCIP_FA_2018_19046_31849.jpg



Concrete rubble on WS slope possible indicator of abandoned pipe location.

Photo 2 of 2 : UCIP_FA_2018_19046_31848.jpg



Concrete rubble on WS slope possible indicator of abandoned pipe location.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	10/05/2018 10/05/2018	Luz Dial

LM Start	3.92	Rating **	A/W	Issue No.	24
LM End	4.03	Issue Type +	Ob	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			37.673190 °	37.672180 °
				-121.258140 °	-121.256490 °
DWR ID	DWR_RD2064_01_f_2017_24				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:The damaged area is due to extensive seepage occurring from high river flows, especially when the water level is above 25.0' at the Vernalis Gauge. The damage is from long-term saturated soil within the levee structure beyond the landside toe. This area is an extension of a seepage berm placed on an emergency work order in February 2017.					
Site ID No:581					
Site Designation:LMA-487					
Repair Type: Seepage					
Rating:Area of Concern					
Field Date:8/14/2017					
Notes:					

Photo 1 of 3 : FA_2018_RD2064_313_24_20180910_00005.jpg



LM Start	3.92	Rating **	A/W	Issue No.	24 (cont)
LM End	4.03	Issue Type +	Ob	Location *	

Photo 2 of 3 : FA_2018_RD2064_313_24_20180910_00006.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	10/05/2018 10/05/2018	Luz Dial

LM Start	3.92	Rating **	A/W	Issue No.	24 (cont)
LM End	4.03	Issue Type +	Ob	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			37.673190 °	37.672180 °
				-121.258140 °	-121.256490 °
DWR ID	DWR_RD2064_01_f_2017_24				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:The damaged area is due to extensive seepage occurring from high river flows, especially when the water level is above 25.0' at the Vernalis Gauge. The damage is from long-term saturated soil within the levee structure beyond the landside toe. This area is an extension of a seepage berm placed on an emergency work order in February 2017.					
Site ID No:581					
Site Designation:LMA-487					
Repair Type: Seepage					
Rating:Area of Concern					
Field Date:8/14/2017					
Notes:					

Photo 3 of 3 : FA_2018_RD2064_313_24_20180910_00007.jpg



LM Start	4.05	Rating **	M	Issue No.	33
LM End	4.05	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.672024°	37.672024°
				-121.256289°	-121.256289°
DWR ID	DWR_RD2064_01_f_2018_33				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	10/05/2018 10/05/2018	Luz Dial

LM Start	4.71	Rating **	M	Issue No.	34
LM End	4.71	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.670134°	37.670134°
				-121.246964°	-121.246964°
DWR ID	DWR_RD2064_01_f_2018_34				
Comment Code					
ST : Stairway					
Inspector Comment					

No Photos

LM Start	4.72	Rating **	M	Issue No.	50
LM End	4.72	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.670161 °	37.670161 °
				-121.246973 °	-121.246973 °
DWR ID	20520				
Comment Code					
Inspector Comment					
FS_ID:19063 DS_ID:20520 EP_NO: 3359 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Pipe not found. Need to determine disposition of pipe as all other appurtances remain. FIELD_STRUCT_DESC: 1 of 2: 24-inch irrigation pipe of an unknown material through the levee, 3.5 feet below the crown. Pump mounted on pipe structure in the river. Protective fender in the stream. Wooden walkway to the pump structure. Siphon breaker on the landside (LS). (Permit No. 3359, 1960 - Cook Land and Cattle Company). [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 4.69)]. FS Date: 8/27/2013					

Photo 1 of 2 : UCIP_FA_2018_19063_31861.jpg



Concrete distribution box remains in center of structure on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	10/05/2018 10/05/2018	Luz Dial

LM Start	4.72	Rating **	M	Issue No.	50 (cont)	
LM End	4.72	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.670161 °	37.670161 °	
				-121.246973 °	-121.246973 °	
DWR ID	20520					
Comment Code						
Inspector Comment						
FS_ID:19063 DS_ID:20520 EP_NO: 3359 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Pipe not found. Need to determine disposition of pipe as all other appurtances remain. FIELD_STRUCT_DESC: 1 of 2: 24-inch irrigation pipe of an unknown material through the levee, 3.5 feet below the crown. Pump mounted on pipe structure in the river. Protective fender in the stream. Wooden walkway to the pump structure. Siphon breaker on the landside (LS). (Permit No. 3359, 1960 - Cook Land and Cattle Company). [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 4.69)]. FS Date: 8/27/2013						

Photo 2 of 2 : UCIP_FA_2018_19063_31860.jpg



Pump platform, walkway, and fender remain in stream. No 24-inch pipe found.

LM Start	4.72	Rating **	M	Issue No.	51
LM End	4.72	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.670161 °	37.670161 °
				-121.246973 °	-121.246973 °
DWR ID	20530				
Comment Code					
Inspector Comment					
FS_ID:19064 DS_ID:20530 EP_NO: 3359 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Pipe not found. Need to determine disposition of pipe as all other appurtances remain. FIELD_STRUCT_DESC: 2 of 2: 18-inch irrigation pipe of an unknown material through the levee, 3.5 feet below the crown. Pump mounted on pipe structure in the river. Protective fender in the stream. Wooden walkway to the pump structure. Siphon breaker on the landside (LS). (Permit No. 3359, 1960 - Cook Land and Cattle Company). [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 4.69)]. FS Date: 8/27/2013					

Photo 1 of 2 : UCIP_FA_2018_19064_31863.jpg



Concrete distribution box in center of structure on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	10/05/2018 10/05/2018	Luz Dial

LM Start	4.72	Rating **	M	Issue No.	51 (cont)	
LM End	4.72	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.670161 °	37.670161 °	
				-121.246973 °	-121.246973 °	
DWR ID	20530					
Comment Code						
Inspector Comment						
FS_ID:19064 DS_ID:20530 EP_NO: 3359 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Pipe not found. Need to determine disposition of pipe as all other appurtances remain. FIELD_STRUCT_DESC: 2 of 2: 18-inch irrigation pipe of an unknown material through the levee, 3.5 feet below the crown. Pump mounted on pipe structure in the river. Protective fender in the stream. Wooden walkway to the pump structure. Siphon breaker on the landside (LS). (Permit No. 3359, 1960 - Cook Land and Cattle Company). [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 4.69)]. FS Date: 8/27/2013						

Photo 2 of 2 : UCIP_FA_2018_19064_31862.jpg



Pump platform and fender visible on WS toe.

LM Start	4.82	Rating **	A/W	Issue No.	26
LM End	4.85	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			37.671730°	37.672140°
				-121.246820°	-121.246800°
DWR ID	DWR_RD2064_01_f_2017_26				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion from high water flows caused erosion scarps from 12" to 24" in height. The area of damage is approximately 600 feet in length.					
Site ID No:583					
Site Designation:LMA-489					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:8/14/2017					
Notes: Minor toe erosion					

Photo 1 of 3 : FA_2018_RD2064_313_26_20180910_00008.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	10/05/2018 10/05/2018	Luz Dial

LM Start	4.82	Rating **	A/W	Issue No.	26 (cont)
LM End	4.85	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			37.671730 °	37.672140 °
				-121.246820 °	-121.246800 °
DWR ID	DWR_RD2064_01_f_2017_26				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion from high water flows caused erosion scarps from 12" to 24" in height. The area of damage is approximately 600 feet in length.					
Site ID No:583					
Site Designation:LMA-489					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:8/14/2017					
Notes: Minor toe erosion					

Photo 2 of 3 : FA_2018_RD2064_313_26_20180910_00009.jpg



Photo 3 of 3 : FA_2018_RD2064_313_26_20180910_00010.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	10/05/2018 10/05/2018	Luz Dial

LM Start	5.31	Rating **	A/W	Issue No.	30
LM End		Issue Type +	Ob	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			37.670690 °	°
				-121.241600 °	°
DWR ID	DWR_RD2064_01_f_2017_30				
Comment Code					
Inspector Comment					
Levee Evaluation Comments Description: Site ID No:103 Site Designation:195-8 Repair Type: Seepage Rating: Field Date: Notes:					

No Photos

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2018 Levee Inspection Results

Reclamation District No. 2064 River Junction

Waterway			Bank	Unit Miles
Unit No. 02 Stanislaus River			Right	6.08
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	4/11/2018 - 4/11/2018		10/5/2018 - 10/5/2018	
DWR Inspector	Keith Millard		Luz Dial	
Accompanied By	Mark Veltkamp		Keith Veltkamp	
	Dan Eavenson		Dan Eavenson MCREng	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- completion of the inspection
- any changes other than the results of normal maintenance
- corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	10/05/2018 10/05/2018	Luz Dial

LM Start	0.31	Rating **	A/W	Issue No.	24
LM End	0.31	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.664777 °	37.664777 °
				-121.236906 °	-121.236906 °
DWR ID	DWR_RD2064_02_f_2018_24				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	0.33	Rating **	M	Issue No.	37
LM End	0.33	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.664752 °	37.664752 °
				-121.236512 °	-121.236512 °
DWR ID	24062				
Comment Code					
Inspector Comment					
FS_ID:44653					
DS_ID:24062					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Plan of action in progress to install permanant pipe and pump by August 2015. No permit identified for large PVC irrigation pipe with inadequate cover.					
FIELD_STRUCT_DESC: 8-inch polyvinyl chloride (PVC) irrigation pipe through the levee, 0.5 feet below the crown. Portable pump on the berm, and a filter plant on the landside (LS) toe. Vent at filter plant on the LS toe.					
FS Date: 4/22/2015					

Photo 1 of 3 : UCIP_FA_2018_44653_37715.jpg



Pipe, vent, and filter plant on LS shoulder and LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	10/05/2018 10/05/2018	Luz Dial

LM Start	0.33	Rating **	M	Issue No.	37 (cont)	
LM End	0.33	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.664752 °		37.664752 °
				-121.236512 °		-121.236512 °
DWR ID	24062					
Comment Code						
Inspector Comment						
FS_ID:44653 DS_ID:24062 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Plan of action in progress to install permanant pipe and pump by August 2015. No permit identified for large PVC irrigation pipe with inadequate cover. FIELD_STRUCT_DESC: 8-inch polyvinyl chloride (PVC) irrigation pipe through the levee, 0.5 feet below the crown. Portable pump on the berm, and a filter plant on the landside (LS) toe. Vent at filter plant on the LS toe. FS Date: 4/22/2015						

LM Start	0.33	Rating **	M	Issue No.	37 (cont)
LM End	0.33	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2018_44653_37714.jpg



Pipe visible on WS shoulder/slope.

Photo 3 of 3 : UCIP_FA_2018_44653_37713.jpg



Portable pump on WS berm.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Reclamation District No. 2064 River Junction

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	10/05/2018 10/05/2018	Luz Dial

LM Start	0.33	Rating **	M	Issue No.	38 (cont)	
LM End	0.33	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.664740 °	37.664740 °	
				-121.236474 °	-121.236474 °	
DWR ID	20537					
Comment Code						
Inspector Comment						
FS_ID:51385 DS_ID:20537 EP_NO: 4462 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 11/16/2016 Crossing has been downgraded from Urgent to Non-Urgent pipe has been grouted and new pipe installed however, no permit is currently available to document work. Need to contact owner to determine permit authorizing existing pipe to be grouted and new pipe to be installed. (O. Magana - DWR UCIP)08/28/2013 Pipe failing on LS toe do to excessive rust. Pump missing from deteriorating wooden platform on LS slope. Pipe crossing being repaired at site. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 16-inch steel irrigation pipe through the levee, 3.5 feet below the crown. 2-inch electrical conduit through the levee at the same location. Slant pump on the bank. Siphon breaker on the landside (LS) shoulder. Timber walkway from the levee slope to the pump motor on the waterside (WS). Pump, motor, and walkway have been removed as of 2016. Siphon breaker and grouted pipe still remain at this location as of 2016. (16-inch pipe authorized under Permit No. 4462, 1964 - C. L. Ball). [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 0.33), Drawing No. 7-4-1685, Sheet 1685/58, (Station 307+57A)]. FS Date: 11/16/2016						

Photo 3 of 3 : UCIP_FA_2018_51385_31890.jpg



2-inch galvanized iron electrical conduit at same location.

LM Start	0.52	Rating **	M	Issue No.	25
LM End	0.54	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.663559 °	37.663468 °
				-121.233428 °	-121.232918 °
DWR ID	DWR_RD2064_02_f_2018_25				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

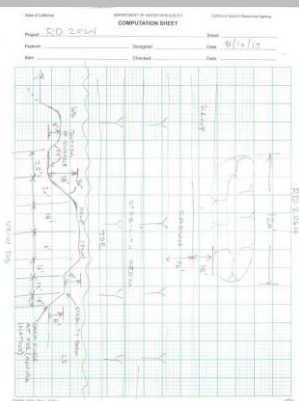
Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	10/05/2018 10/05/2018	Luz Dial

LM Start	0.71	Rating **	A/W	Issue No.	20
LM End	0.71	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2017 Storm Damage		37.664200 °	37.664200 °	
			-121.230420 °	-121.230420 °	
DWR ID	DWR_RD2064_02_f_2017_20				
Comment Code					
Inspector Comment					
Levee Evaluation Comments Description: POI is a waterside sinkhole with an existing seepage berm on the landside. This site was flood fought in 2017 with sack rings. Site ID No: 584 Site Designation: LMA-490 Repair Type: Stability Rating: Area of Concern Field Date: 8/16/2017 Notes: POI is a waterside sinkhole					

Photo 1 of 1 : FA_2018_RD2064_314_20_20180910_00003.jpg



LM Start	0.97	Rating **	M	Issue No.	27
LM End	0.97	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		37.667675 °	37.667675 °	
			-121.229944 °	-121.229944 °	
DWR ID	DWR_RD2064_02_f_2018_27				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Repair slope damage.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	10/05/2018 10/05/2018	Luz Dial

LM Start	1.05	Rating **	M	Issue No.	28
LM End	1.07	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.668788 °	37.669144 °
				-121.229731 °	-121.229501 °
DWR ID	DWR_RD2064_02_f_2018_28				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Slope damage caused by vehicular traffic needs to be repaired.					



View of slope damage from vehicular traffic. Fall 2018

LM Start	1.11	Rating **	M	Issue No.	29
LM End	1.11	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.669488 °	37.669488 °
				-121.229082 °	-121.229082 °
DWR ID	DWR_RD2064_02_f_2018_29				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Slope damage caused by vehicular traffic needs to be repaired.					

No Photos

LM Start	1.14	Rating **	A/W	Issue No.	30
LM End	1.14	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.669871 °	37.669871 °
				-121.228830 °	-121.228830 °
DWR ID	DWR_RD2064_02_f_2018_30				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Monitor slope damage from vehicles. LMA created a berm to prevent vehicles from driving onto the levee slope.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	10/05/2018 10/05/2018	Luz Dial

LM Start	1.41	Rating **	C	Issue No.	19
LM End	1.41	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.670467 °	37.670467 °
				-121.224619 °	-121.224619 °
DWR ID	DWR_RD2064_02_s_2018_19				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	1.77	Rating **	U	Issue No.	17
LM End	1.85	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.673714 °	37.674829 °
				-121.222345 °	-121.222822 °
DWR ID	DWR_RD2064_02_s_2017_17				
Comment Code					
BU : Building					
Inspector Comment					
LMA manager currently working with Board to take action on several encroachments (buildings, sheds, vehicles, equipment, debris, etc.).					

Photo 1 of 1 : FA_2018_RD2064_314_17_20180910_00001.jpg



RD 2064 looking upstream from levee mile 1.96 landside, building within the easement.

LM Start	1.78	Rating **	M	Issue No.	31
LM End	1.78	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.673827 °	37.673827 °
				-121.222411 °	-121.222411 °
DWR ID	DWR_RD2064_02_f_2018_31				
Comment Code					
ST : Stairway					
Inspector Comment					

Photo 1 of 1 : FA_2018_RD2064_314_31_20181008_00052.jpg



View of stairway with railing that appears to be without a permit. Fall 2018

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	10/05/2018 10/05/2018	Luz Dial

LM Start	1.97	Rating **	M	Issue No.	39
LM End	1.97	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.676454 °	37.676454 °
				-121.223204 °	-121.223204 °
DWR ID	24063				
Comment Code					
Inspector Comment					
FS_ID:22095					
DS_ID:24063					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: No permit identified for this crossing.					
FIELD_STRUCT_DESC: 6-inch steel irrigation pipe through the levee, at an unknown depth. Pump on wooden pier on the waterside (WS). Vent between 2 steel bollards on the landside (LS) shoulder. Filter plant on the LS toe. 1.5-inch galvanized iron electrical conduit at the same location.					
FS Date: 8/27/2013					

LM Start	1.97	Rating **	M	Issue No.	39 (cont)
LM End	1.97	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2018_22095_37722.jpg



Pipe and vent visible on WS shoulder at wooden walkway.

Photo 2 of 3 : UCIP_FA_2018_22095_37721.jpg



Vent on LS shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	10/05/2018 10/05/2018	Luz Dial

LM Start	1.97	Rating **	M	Issue No.	39 (cont)	
LM End	1.97	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.676454 °	37.676454 °	
				-121.223204 °	-121.223204 °	
DWR ID	24063					
Comment Code						
Inspector Comment						
FS_ID:22095 DS_ID:24063 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No permit identified for this crossing. FIELD_STRUCT_DESC: 6-inch steel irrigation pipe through the levee, at an unknown depth. Pump on wooden pier on the waterside (WS). Vent between 2 steel bollards on the landside (LS) shoulder. Filter plant on the LS toe. 1.5-inch galvanized iron electrical conduit at the same location. FS Date: 8/27/2013						

Photo 3 of 3 : UCIP_FA_2018_22095_37720.jpg



Filterplant visible on LS toe.

LM Start	1.97	Rating **	U	Issue No.	23
LM End	1.97	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.676454 °	37.676454 °
				-121.223200 °	-121.223200 °
DWR ID	DWR_RD2064_02_s_2017_23				
Comment Code					
EQ : Equipment					
Inspector Comment					
This equipment and other materials need to be removed from the landside easement.					

Photo 1 of 2 : FA_2018_RD2064_314_23_20180910_00005.jpg



RD 2064 Landside looking upstream from levee mile 1.97 equipment on the berm.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Levee Inspection Report By Mile - Fall 2018

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	10/05/2018 10/05/2018	Luz Dial

Photo 2 of 2 : FA_2018_RD2064_314_23_20180910_00006.jpg



RD 2064 Landside looking upstream from levee mile 1.97 more equipment and other materials within the easement.

Photo 1 of 1 : FA_2018_RD2064_314_33_20181008_00053.jpg



View of slope damage near ditch caused by vehicular traffic. Fall 2018

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable A/W : Acceptable but Monitor & Maintain	En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	10/05/2018 10/05/2018	Luz Dial

LM Start	2.53	Rating **	M	Issue No.	40	
LM End	2.53	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.684148 °	37.684148 °	
				-121.223599 °	-121.223599 °	
DWR ID	20540					
Comment Code						
Inspector Comment						
FS_ID:19086						
DS_ID:20540						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Leak next to roadway may indicate pipe has reached life capacity-good candidate for video inspection.						
FIELD_STRUCT_DESC: 30-inch by 30-inch reinforced concrete box irrigation culvert through the levee, 14.5 feet below the crown. Pipe reduced to 24-inch through the berm to pump house. Slide gate in a 6-foot by 7-foot concrete riser on the waterside (WS) slope. Slant pump mounted on the berm next to a 5-foot by 9-foot concrete riser. 1.5-inch electrical conduit at the same location. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 2.51)].						
FS Date: 8/28/2013						

LM Start	2.53	Rating **	M	Issue No.	40 (cont)
LM End	2.53	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2018_19086_31954.jpg



Gate valve on WS shoulder. Pump next to concrete riser in background.

Photo 2 of 3 : UCIP_FA_2018_19086_31953.jpg



Wet area next to roadway off LS toe may indicate a leak. Power pole and meter on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	10/05/2018 10/05/2018	Luz Dial

LM Start	2.53	Rating **	M	Issue No.	40 (cont)	
LM End	2.53	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.684148 °	37.684148 °	
				-121.223599 °	-121.223599 °	
DWR ID	20540					
Comment Code						
Inspector Comment						
FS_ID:19086						
DS_ID:20540						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Leak next to roadway may indicate pipe has reached life capacity-good candidate for video inspection.						
FIELD_STRUCT_DESC: 30-inch by 30-inch reinforced concrete box irrigation culvert through the levee, 14.5 feet below the crown. Pipe reduced to 24-inch through the berm to pump house. Slide gate in a 6-foot by 7-foot concrete riser on the waterside (WS) slope. Slant pump mounted on the berm next to a 5-foot by 9-foot concrete riser. 1.5-inch electrical conduit at the same location. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 2.51)].						
FS Date: 8/28/2013						

Photo 3 of 3 : UCIP_FA_2018_19086_31952.jpg



Concrete riser in field north of levee likely outlet for cox culvert.

LM Start	2.70	Rating **	C	Issue No.	21
LM End	2.76	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.684271 °	37.684943 °
				-121.220939 °	-121.220247 °
DWR ID	DWR_RD2064_02_f_2017_21				
Comment Code					
Inspector Comment					
LMA has trimmed trees.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	10/05/2018 10/05/2018	Luz Dial

LM Start	2.72	Rating **	M	Issue No.	34
LM End	2.72	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		37.684490 °	37.684490 °	
			-121.220602 °	-121.220602 °	
DWR ID	DWR_RD2064_02_f_2018_34				
Comment Code					
FE : Fence					
Inspector Comment					
Fence with ivy blocks visibility of levee toe.					

No Photos

LM Start	2.76	Rating **	C	Issue No.	22
LM End	2.82	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		37.684490 °	37.685703 °	
			-121.220246 °	-121.219727 °	
DWR ID	DWR_RD2064_02_f_2017_22				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	2.90	Rating **	M	Issue No.	35
LM End	2.90	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.686368 °	37.686368 °	
			-121.218494 °	-121.218494 °	
DWR ID	DWR_RD2064_02_f_2018_35				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	10/05/2018 10/05/2018	Luz Dial

LM Start	2.99	Rating **	M	Issue No.	36
LM End	2.99	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.687303°	37.687303°
				-121.217415°	-121.217415°
DWR ID	DWR_RD2064_02_f_2018_36				
Comment Code					
FE : Fence					
Inspector Comment					
Fence encroaches on levee toe.					

No Photos

LM Start	4.19	Rating **	M	Issue No.	41
LM End	4.19	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.695198°	37.695198°
				-121.206414°	-121.206414°
DWR ID	20542				
Comment Code					
Inspector Comment					
FS_ID:41075 DS_ID:20542 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Gate missing from LS ditch. FIELD_STRUCT_DESC: 24-inch steel irrigation pipe through the levee, 6 feet below the crown. Slide gate in a 36-inch corrugated metal pipe (CMP) riser on the waterside (WS). Pump mounted on pile structure in the river. Pipe discharges into a cobble grouted spillway on the landside (LS). Flap gate on the LS. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 4.15)]. FS Date: 8/28/2013					

Photo 1 of 3 : UCIP_FA_2018_41075_31963.jpg



Pipe and pump visible on WS berm.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	10/05/2018 10/05/2018	Luz Dial

LM Start	4.19	Rating **	M	Issue No.	41 (cont)	
LM End	4.19	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.695198 °	37.695198 °	
				-121.206414 °	-121.206414 °	
DWR ID	20542					
Comment Code						
Inspector Comment						
FS_ID:41075 DS_ID:20542 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Gate missing from LS ditch. FIELD_STRUCT_DESC: 24-inch steel irrigation pipe through the levee, 6 feet below the crown. Slide gate in a 36-inch corrugated metal pipe (CMP) riser on the waterside (WS). Pump mounted on pile structure in the river. Pipe discharges into a cobble grouted spillway on the landside (LS). Flap gate on the LS. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 4.15)]. FS Date: 8/28/2013						

LM Start	4.19	Rating **	M	Issue No.	41 (cont)
LM End	4.19	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2018_41075_31962.jpg



Slide gate in 36-inch CMP riser on WS slope.

Photo 3 of 3 : UCIP_FA_2018_41075_31961.jpg



Pipe with missing flapgate on LS at concrete ditch.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	10/05/2018 10/05/2018	Luz Dial

LM Start	4.24	Rating **	M	Issue No.	42
LM End	4.24	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.695745 °	37.695745 °
				-121.205865 °	-121.205865 °
DWR ID	24064				
Comment Code					
Inspector Comment					
FS_ID:22107					
DS_ID:24064					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Pipe does not have adequate cover at crown.					
FIELD_STRUCT_DESC: 12-inch steel discharge pipe through the levee, 0.5 feet below the crown. Pump on concrete headwall at the landside (LS) toe. Pipe discharges into a 6-foot by 7-foot concrete box on the waterside (WS) shoulder.					
FS Date: 8/28/2013					

Photo 1 of 2 : UCIP_FA_2018_22107_37736.jpg



Pump for pipe on concrete headwall at LS toe.

LM Start	4.24	Rating **	M	Issue No.	42 (cont)
LM End	4.24	Issue Type +	En	Location *	

Photo 2 of 2 : UCIP_FA_2018_22107_37735.jpg



Pipe discharges into concrete riser on WS slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	10/05/2018 10/05/2018	Luz Dial

LM Start	4.41	Rating **	A/W	Issue No.	43
LM End	4.41	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.696386 °	37.696386 °
				-121.202963 °	-121.202963 °
DWR ID	20549				
Comment Code					
Inspector Comment					
FS_ID:19117 DS_ID:20549 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 30-inch drainage pipe of an unknown material through the levee, 10.5 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Two corrugated metal cutoff walls. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 4.37)]. FS Date: 8/28/2013					

LM Start	4.41	Rating **	A/W	Issue No.	43 (cont)
LM End	4.41	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2018_19117_32069.jpg



Headwall on LS toe.

Photo 2 of 3 : UCIP_FA_2018_19117_32068.jpg



Headwall on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	10/05/2018 10/05/2018	Luz Dial

LM Start	4.41	Rating **	A/W	Issue No.	43 (cont)	
LM End	4.41	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.696386 °	37.696386 °	
				-121.202963 °	-121.202963 °	
DWR ID	20549					
Comment Code						
Inspector Comment						
FS_ID:19117 DS_ID:20549 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 30-inch drainage pipe of an unknown material through the levee, 10.5 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Two corrugated metal cutoff walls. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 4.37)]. FS Date: 8/28/2013						

Photo 3 of 3 : UCIP_FA_2018_19117_32067.jpg



Headwall on LS toe.

LM Start	4.51	Rating **	A/W	Issue No.	44	
LM End	4.51	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.696892 °		37.696892 °
				-121.201228 °		-121.201228 °
DWR ID	20550					
Comment Code						
Inspector Comment						
FS_ID:22793 DS_ID:20550 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 30-inch corrugated metal drainage pipe through the levee, 8 feet below the crown. Concrete U-shaped headwalls on both ends, and a flap gate on the waterside (WS) end. Grouted spillway on the WS. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 4.47)]. FS Date: 8/28/2013						

Photo 1 of 3 : UCIP_FA_2018_22793_38842.jpg



Concrete headwall on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	10/05/2018 10/05/2018	Luz Dial

LM Start	4.51	Rating **	A/W	Issue No.	44 (cont)	
LM End	4.51	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.696892 °	37.696892 °	
				-121.201228 °	-121.201228 °	
DWR ID	20550					
Comment Code						
Inspector Comment						
FS_ID:22793 DS_ID:20550 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 30-inch corrugated metal drainage pipe through the levee, 8 feet below the crown. Concrete U-shaped headwalls on both ends, and a flap gate on the waterside (WS) end. Grouted spillway on the WS. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 4.47)]. FS Date: 8/28/2013						

Photo 2 of 3 : UCIP_FA_2018_22793_38841.jpg



Concrete headwall on LS toe.

LM Start	4.51	Rating **	A/W	Issue No.	44 (cont)
LM End	4.51	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2018_22793_38844.jpg



Concrete headwall on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	10/05/2018 10/05/2018	Luz Dial

LM Start	4.64	Rating **	A/W	Issue No.	45	
LM End	4.64	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.697101 °		37.697101 °
				-121.199048 °		-121.199048 °
DWR ID	20551					
Comment Code						
Inspector Comment						
FS_ID:19120						
DS_ID:20551						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 30-inch corrugated metal drainage pipe through the levee, 10 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Two corrugated metal cutoff walls. Grouted spillway on the WS. Spillway damaged due to uprooted tree. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 4.59)].						
FS Date: 8/28/2013						

LM Start	4.64	Rating **	A/W	Issue No.	45 (cont)
LM End	4.64	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2018_19120_32079.jpg



Concrete headwall on LS toe.

Photo 2 of 3 : UCIP_FA_2018_19120_32078.jpg



Concrete headwall on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	10/05/2018 10/05/2018	Luz Dial

LM Start	4.64	Rating **	A/W	Issue No.	45 (cont)	
LM End	4.64	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.697101 °		37.697101 °
				-121.199048 °		-121.199048 °
DWR ID	20551					
Comment Code						
Inspector Comment						
FS_ID:19120 DS_ID:20551 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 30-inch corrugated metal drainage pipe through the levee, 10 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Two corrugated metal cutoff walls. Grouted spillway on the WS. Spillway damaged due to uprooted tree. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 4.59)]. FS Date: 8/28/2013						

Photo 3 of 3 : UCIP_FA_2018_19120_32077.jpg



Concrete headwall on LS toe.

LM Start	4.78	Rating **	A/W	Issue No.	46
LM End	4.78	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.696888 °	37.696888 °
				-121.196511 °	-121.196511 °
DWR ID	20552				
Comment Code					
Inspector Comment					
FS_ID:19122 DS_ID:20552 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 30-inch corrugated metal drainage pipe through the levee, 8.5 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Two corrugated metal cutoff walls. Grouted spillway on the WS. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 4.73)]. FS Date: 8/28/2013					

Photo 1 of 3 : UCIP_FA_2018_19122_32083.jpg



Concrete headwall on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	10/05/2018 10/05/2018	Luz Dial

LM Start	4.78	Rating **	A/W	Issue No.	46 (cont)	
LM End	4.78	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.696888 °	37.696888 °	
				-121.196511 °	-121.196511 °	
DWR ID	20552					
Comment Code						
Inspector Comment						
FS_ID:19122						
DS_ID:20552						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 30-inch corrugated metal drainage pipe through the levee, 8.5 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Two corrugated metal cutoff walls. Grouted spillway on the WS. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 4.73)].						
FS Date: 8/28/2013						

LM Start	4.78	Rating **	A/W	Issue No.	46 (cont)
LM End	4.78	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2018_19122_32082.jpg



Concrete headwall on WS toe.

Photo 3 of 3 : UCIP_FA_2018_19122_32081.jpg



Concrete headwall on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	10/05/2018 10/05/2018	Luz Dial

LM Start	4.92	Rating **	M	Issue No.	47
LM End	4.92	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.696146 °	37.696146 °
				-121.194093 °	-121.194093 °
DWR ID	24065				
Comment Code					
Inspector Comment					
FS_ID:22108 DS_ID:24065 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No permit identified for this discharge pipe. FIELD_STRUCT_DESC: 1 of 2: 4-inch polyvinyl chloride (PVC) discharge pipe through the 30-inch drainage pipe, 11 feet below the crown. No permit. FS Date: 8/28/2013					

LM Start	4.92	Rating **	M	Issue No.	47 (cont)
LM End	4.92	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2018_22108_37739.jpg



PVC pipe at right inside stormdrain on LS toe.

Photo 2 of 3 : UCIP_FA_2018_22108_37738.jpg



PVC pipe at right inside stormdrain on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	10/05/2018 10/05/2018	Luz Dial

LM Start	4.92	Rating **	M	Issue No.	47 (cont)
LM End	4.92	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.696146 °	37.696146 °
				-121.194093 °	-121.194093 °
DWR ID	24065				
Comment Code					
Inspector Comment					
FS_ID:22108 DS_ID:24065 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No permit identified for this discharge pipe. FIELD_STRUCT_DESC: 1 of 2: 4-inch polyvinyl chloride (PVC) discharge pipe through the 30-inch drainage pipe, 11 feet below the crown. No permit. FS Date: 8/28/2013					

Photo 3 of 3 : UCIP_FA_2018_22108_37737.jpg



Evidence of discharge through PVC conduit on WS toe.

LM Start	4.92	Rating **	M	Issue No.	48
LM End	4.92	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.696146 °	37.696146 °
				-121.194093 °	-121.194093 °
DWR ID	24066				
Comment Code					
Inspector Comment					
FS_ID:22109 DS_ID:24066 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No permit identified for this crossing. FIELD_STRUCT_DESC: 2 of 2: 4-inch polyvinyl chloride (PVC) discharge pipe through the 30-inch drainage pipe, 11 feet below the crown. No permit. FS Date: 8/28/2013					

Photo 1 of 3 : UCIP_FA_2018_22109_37742.jpg



PVC conduit at left on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	10/05/2018 10/05/2018	Luz Dial

LM Start	4.92	Rating **	M	Issue No.	48 (cont)	
LM End	4.92	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.696146 °	37.696146 °	
				-121.194093 °	-121.194093 °	
DWR ID	24066					
Comment Code						
Inspector Comment						
FS_ID:22109 DS_ID:24066 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No permit identified for this crossing. FIELD_STRUCT_DESC: 2 of 2: 4-inch polyvinyl chloride (PVC) discharge pipe through the 30-inch drainage pipe, 11 feet below the crown. No permit. FS Date: 8/28/2013						

LM Start	4.92	Rating **	M	Issue No.	48 (cont)
LM End	4.92	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2018_22109_37741.jpg



PVC conduit at left on LS toe.

Photo 3 of 3 : UCIP_FA_2018_22109_37740.jpg



Evidence of discharge from PVC on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	10/05/2018 10/05/2018	Luz Dial

LM Start	4.92	Rating **	A/W	Issue No.	49
LM End	4.92	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.696146 °	37.696146 °
				-121.194093 °	-121.194093 °
DWR ID	20553				
Comment Code					
Inspector Comment					
FS_ID:19143 DS_ID:20553 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 30-inch corrugated metal drainage pipe through the levee, 8 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Two corrugated metal cutoff walls. Grouted spillway on the WS. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 4.88)]. FS Date: 8/28/2013					

LM Start	4.92	Rating **	A/W	Issue No.	49 (cont)
LM End	4.92	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2018_19143_32122.jpg



Concrete headwall on LS toe.

Photo 2 of 3 : UCIP_FA_2018_19143_32121.jpg



Concrete headwall on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Levee Inspection Report By Mile - Fall 2018

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	10/05/2018 10/05/2018	Luz Dial

Concrete headwall on LS toe.

Concrete U shaped headwall on WS toe.

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	10/05/2018 10/05/2018	Luz Dial

LM Start	5.10	Rating **	A/W	Issue No.	50 (cont)
LM End	5.10	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.697483 °	37.697483 °
				-121.191332 °	-121.191332 °
DWR ID	20554				
Comment Code					
Inspector Comment					
FS_ID:22794 DS_ID:20554 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 30-inch corrugated metal drainage pipe through the levee, 8 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Two corrugated metal cutoff walls. Grouted spillway on the WS. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 5.05)]. FS Date: 8/28/2013					

LM Start	5.10	Rating **	A/W	Issue No.	50 (cont)
LM End	5.10	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2018_22794_38850.jpg



Concrete headwall on LS toe.

Photo 3 of 3 : UCIP_FA_2018_22794_38853.jpg



Concrete headwall on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	10/05/2018 10/05/2018	Luz Dial

LM Start	5.46	Rating **	M	Issue No.	51	
LM End	5.46	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.699557 °	37.699557 °	
				-121.185385 °	-121.185385 °	
DWR ID	24067					
Comment Code						
Inspector Comment						
FS_ID:22795 DS_ID:24067 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No permit identified for this crossing. No photos available. FIELD_STRUCT_DESC: 10-inch steel irrigation pipe through the levee, 0.75 feet below the crown. Butterfly valve and vent on the landside (LS) shoulder. Vent on the waterside (WS) shoulder. FS Date: 8/28/2013						

No Photos

LM Start	5.54	Rating **	M	Issue No.	52
LM End	5.54	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.699848 °	37.699848 °
				-121.184135 °	-121.184135 °
DWR ID	20555				
Comment Code					
Inspector Comment					
FS_ID:19145 DS_ID:20555 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned and if so should be done so appropriately. FIELD_STRUCT_DESC: *ABANDONED* 30-inch corrugated metal irrigation pipe through the levee, 10 feet below the crown. Slide gate in a 36-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Two corrugated metal cutoff walls. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 5.48)]. FS Date: 8/28/2013					

Photo 1 of 2 : UCIP_FA_2018_19145_32126.jpg



Slide gate in CMP riser on WS slope

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	10/05/2018 10/05/2018	Luz Dial

LM Start	5.54	Rating **	M	Issue No.	52 (cont)	
LM End	5.54	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.699848 °	37.699848 °	
				-121.184135 °	-121.184135 °	
DWR ID	20555					
Comment Code						
Inspector Comment						
FS_ID:19145 DS_ID:20555 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned and if so should be done so appropriately. FIELD_STRUCT_DESC: *ABANDONED* 30-inch corrugated metal irrigation pipe through the levee, 10 feet below the crown. Slide gate in a 36-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Two corrugated metal cutoff walls. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 5.48)]. FS Date: 8/28/2013						

Photo 2 of 2 : UCIP_FA_2018_19145_32125.jpg



Pipe in CMP riser on WS slope.

LM Start	5.74	Rating **	M	Issue No.	53
LM End	5.74	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.702220 °	37.702220 °
				-121.182210 °	-121.182210 °
DWR ID	20556				
Comment Code					
Inspector Comment					
FS_ID:19146					
DS_ID:20556					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Slide gate missing and CMP riser filled with soil.					
Appears abandoned and should be done so properly.					
FIELD_STRUCT_DESC: 20-inch corrugated metal irrigation pipe					
through the levee, 13 feet below the crown. Slide gate in a corrugated					
metal pipe (CMP) riser on the waterside (WS) slope. Two corrugated					
metal cutoff walls. Underground irrigation system. [Additional					
Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M					
Manual 3, December 1968, (HLM 5.69)].					
FS Date: 8/28/2013					

Photo 1 of 1 : UCIP_FA_2018_19146_32127.jpg



CMP riser for slide gate filled with soil.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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